



Australian Government

CPCSPS4001 Investigate and prepare swimming pool site

Release: 1

CPCSPS4001 Investigate and prepare swimming pool site

Modification History

- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- New unit. It includes some content from CPCCBC4049A Apply structural principles to construction of swimming pools and spas, which has been deleted.

Application

This unit specifies the skills and knowledge required to prepare a site for swimming pool construction. It includes investigating the site to confirm site levels and pool height and supervising the excavation.

This unit applies to a range of contexts and reflects the role of those who are responsible for preparing sites for the installation or construction of:

- private swimming pools
- public swimming pools, including:
 - hydrotherapy and therapeutic exercise pools
 - wading and receiving pools associated with water slides
 - wave pools.

This unit is suitable for those using specialised knowledge to complete routine and non-routine tasks, and their own judgement to deal with predictable and sometimes unpredictable problems.

No licensing or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Swimming Pool and Spa Building

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

- | | |
|-----------------|---|
| 1 Evaluate site | 1.1 Read and interpret relevant site and swimming pool construction information from plans, specifications, |
|-----------------|---|

conditions.		codes and standards.
	1.2	Interpret and apply work health and safety and environmental requirements.
	1.3	Evaluate site access, delivery service requirements and space for storage of materials.
	1.4	Apply relevant WHS regulations and codes when locating and preparing for work near existing underground and overhead services.
	1.5	Assess and resolve site issues that may impact pool construction.
	1.6	Calculate amount of excavation spoil and plan the removal.
2 Prepare site for pool excavation.	2.1	Prepare procedures for onsite and public safety during project work.
	2.2	Design site access and egress and arrange temporary site fencing.
	2.3	Set out pool position, finish height of pool and depth of excavation from Australian Height Datum (AHD).
	2.4	Organise plant, machinery and equipment for the excavation process.
3 Coordinate and manage excavation.	3.1	Check local government and certifier approval and detail drawings to confirm structural requirements.
	3.2	Oversee the excavation process ensuring adherence to plan specifications and safety requirements.
	3.3	Examine soil stability and take necessary steps to avoid soil collapse.
	3.4	Verify soil compaction complies with soil test report, standards and codes.
4 Prepare site for pool construction.	4.1	Oversee the removal of excess soil and cleaning of public areas.

- 4.2 Prepare site for delivery of swimming pool construction materials.
- 4.3 Complete necessary documentation and notify relevant person of next stage of pool construction.

Foundation Skills

This section describes the language, literacy, numeracy and employment skills essential to performance in this unit but not explicit in the performance criteria:

- reading skills to interpret soil test reports
- oral communication skills to interact with clients from diverse backgrounds
- numeracy skills to use measurements and apply formulas to calculate levels
- technology skills to use digital measuring devices.

Unit Mapping Information

No equivalent unit.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCSPS4001 Investigate and prepare swimming pool site

Modification History

- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- New unit. It includes some content from CPCCBC4049A Apply structural principles to construction of swimming pools and spas, which has been deleted.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by preparing two sites for pool construction, one level site and one with sloping/uneven ground.

In doing this, the candidate must:

- determine site contours, datum mark and finished height of pool from project plans
- control risks relating to excavation work.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- regulations, standards and codes relevant to excavation for of swimming pools
- relevant sections of the National Construction Code (NCC)
- excavation work code of practice
- Guide for working in the vicinity of overhead and underground electric lines
- features of project plans and specifications
- processes, procedures and techniques for:
 - levelling using a water level and laser level
 - pool excavation
 - installing ancillary pipework
- operational and functional features of plant, tools and equipment
- workplace procedures and workplace safety:
 - hierarchy of control
 - hazardous manual tasks
 - competency requirements for operating pumping equipment
 - temporary safety barriers and fences around swimming pool construction sites
- workplace and environmental requirements relating to waste disposal and clean up.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment must be conducted in the workplace or in a simulated workplace environment.

Candidates must have access to:

- regulations, standards and codes relevant to preparation and excavation of sites for swimming pools
- relevant sections of the NCC
- project plans, specifications and manufacturer instructions
- workplace safety and environmental requirements.

Links

Companion volumes to this training package are available at the VETNet website -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>